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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
10/572,883	06/22/2006	Stefan Golz	2004P56027 WOUS	5304

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SIEMENS CORPORATION
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EXAMINER	
LI, RUIXIANG	
ART UNIT	PAPER NUMBER
1646	
MAIL DATE	DELIVERY MODE
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Please find below and/or attached an Office communication concerning this application or proceeding.

The time period for reply, if any, is set in the attached communication.

Office Action Summary	Application No.	Applicant(s)	
	10/572,883	GOLZ ET AL.	
	Examiner	Art Unit	
	RUIXIANG LI	1646	

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --

Period for Reply

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE *1* MONTH(S) OR THIRTY (30) DAYS, WHICHEVER IS LONGER, FROM THE MAILING DATE OF THIS COMMUNICATION.

- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
- If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133). Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

Status

1)☐ Responsive to communication(s) filed on _____.

2a)☐ This action is **FINAL**. 2b)☒ This action is non-final.

3)☐ Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

Disposition of Claims

4)☒ Claim(s) *1-26* is/are pending in the application.

4a) Of the above claim(s) _____ is/are withdrawn from consideration.

5)☐ Claim(s) _____ is/are allowed.

6)☒ Claim(s) *1-26* is/are rejected.

7)☐ Claim(s) _____ is/are objected to.

8)☐ Claim(s) _____ are subject to restriction and/or election requirement.

Application Papers

9)☐ The specification is objected to by the Examiner.

10)☐ The drawing(s) filed on _____ is/are: a)☐ accepted or b)☐ objected to by the Examiner.

Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).

Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).

11)☐ The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.

Priority under 35 U.S.C. § 119

12)☐ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).

a)☐ All b)☐ Some * c)☐ None of:

1.☐ Certified copies of the priority documents have been received.

2.☐ Certified copies of the priority documents have been received in Application No. _____.

3.☐ Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).

* See the attached detailed Office action for a list of the certified copies not received.

Attachment(s)

1) ☐ Notice of References Cited (PTO-892)
2) ☐ Notice of Draftsperson's Patent Drawing Review (PTO-948)
3) ☐ Information Disclosure Statement(s) (PTO/SB/08) Paper No(s)/Mail Date _____.
4) ☐ Interview Summary (PTO-413) Paper No(s)/Mail Date. _____.
5) ☐ Notice of Informal Patent Application
6) ☐ Other: _____.

REQUIREMENT FOR UNITY OF INVENTION

1. Restriction is required under 35 U.S.C. 121 and 372.

This application contains the following inventions or groups of inventions which are not so linked as to form a single general inventive concept under PCT Rule 13.1.

In accordance with 37 CFR 1.499, applicant is required, in response to this action, to elect a single invention to which the claims must be restricted.

I. Claims 1 and 4-11, drawn to a method of screening for therapeutic agents useful in the treatment of a disease, comprising detecting binding of a test compound to a AdipoRi polypeptide.

II. Claims 2 and 3, drawn to a method of screening for therapeutic agents useful in the treatment of a disease comprising determining the activity of a AdipoR1 polypeptide.

III. Claims 12-17, drawn to a method of screening for therapeutic agents useful in the treatment of a disease, comprising detecting binding of a test compound to a AdipoRi polynucleotide.

IV. Claim 18, drawn to a method of diagnosing a disease comprising determining the amount of a AdipoR1 polynucleotide in a sample taken from said mammal.

V. Claim 19, drawn to a pharmaceutical composition comprising a therapeutic agent which binds to a AdipoR1 polypeptide.

VI. Claims 20, 21 (both in part), and 25 (in part), drawn to a pharmaceutical composition comprising a therapeutic agent which regulates the activity of a

AdipoR1 polypeptide, wherein said agent is a small molecule.

VII. Claims 20, 21 (both in part), 22, and 25 (in part), drawn to a pharmaceutical composition comprising a therapeutic agent which regulates the activity of a AdipoR1 polypeptide, wherein said agent is a nucleic acid molecule.

VIII. Claims 20, 21 (both in part), 23, and 25 (in part), drawn to a pharmaceutical composition comprising a therapeutic agent which regulates the activity of a AdipoR1 polypeptide, wherein said agent is a polypeptide.

IX. Claims 24 and 26, drawn to a method for the treatment of a disease comprising administering to a mammal an effective amount of a regulator of AdipoR1.

2. The groups of inventions listed above do not relate to a single general inventive concept under PCT Rule 13.1 because, under PCT Rule 13.2, they lack the same or corresponding special technical features for the following reasons:

The special technical feature of Group I is considered to be a method of screening for therapeutic agents useful in the treatment of a disease, comprising detecting binding of a test compound to a AdipoRi polypeptide.

The special technical feature of Group II is considered to be a method of screening for therapeutic agents useful in the treatment of a disease comprising determining the activity of a AdipoR1 polypeptide.

The special technical feature of Group III is considered to be a method of screening for therapeutic agents useful in the treatment of a disease, comprising detecting binding of a test compound to a AdipoRi polynucleotide.

The special technical feature of Group IV is considered to be a method of

diagnosing a disease comprising determining the amount of a AdipoR1 polynucleotide in a sample taken from said mammal.

The special technical feature of Group V is considered to be a pharmaceutical composition comprising a therapeutic agent which binds to a AdipoR1 polypeptide.

The special technical feature of Group VI is considered to be a pharmaceutical composition comprising a therapeutic agent which regulates the activity of a AdipoR1 polypeptide, wherein said agent is a small molecule.

The special technical feature of Group VII is considered to be a pharmaceutical composition comprising a therapeutic agent which regulates the activity of a AdipoR1 polypeptide, wherein said agent is a nucleic acid molecule.

The special technical feature of Group VIII is considered to be a pharmaceutical composition comprising a therapeutic agent which regulates the activity of a AdipoR1 polypeptide, wherein said agent is a polypeptide.

The special technical feature of Group IX is considered to be a method for the treatment of a disease comprising administering to a mammal an effective amount of a regulator of AdipoR1.

Accordingly, Groups I-IX are not so linked by the same or a corresponding special technical feature as to form a single general inventive concept. Thus, unity of invention is lacking and restriction is appropriate.

Species Election

3. This application contains claims directed to more than one species of the generic invention. These species are deemed to lack unity of invention because they are not so linked as to form a single general inventive concept under PCT Rule 13.1.

The species are as follows: the various diseases as listed in claims 1-3 and 18-26.

Applicant is required, in reply to this action, to elect a single species to which the claims shall be restricted if no generic claim is finally held to be allowable. The reply must also identify the claims readable on the elected species, including any claims subsequently added. An argument that a claim is allowable or that all claims are generic is considered non-responsive unless accompanied by an election.

Upon the allowance of a generic claim, applicant will be entitled to consideration of claims to additional species which are written in dependent form or otherwise require all the limitations of an allowed generic claim. Currently, the following claim(s) are generic: 1-5, 11-16, 21-25, 31-33, 41, 46, 51, and 56.

The species listed above do not relate to a single general inventive concept under PCT Rule 13.1 because, under PCT Rule 13.2, the species lack the same or corresponding special technical features for the following reasons: the species listed above are not regarded as being of similar nature because the species do not share a property or activity and a common structure because each disease represents a distinct pathological condition.

Applicant is reminded that upon the cancellation of claims to a non-elected invention, the inventorship must be amended in compliance with 37 CFR 1.48 (b) if one or more of the currently named inventors is no longer an inventor of at least one claim remaining in the application. Any amendment of inventorship must be accompanied by a petition under 37 CFR 1.48 (b) and by the fee required under 37 CFR 1.17 (i).

Advisory Information

Any inquiry concerning this communication or earlier communications from the examiner should be directed to Ruixiang Li whose telephone number is (571) 272-0875. The examiner can normally be reached on Monday through Friday from 8:30 am to 5:00 pm. If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Gary Nickol, can be reached on (571) 272-0835. The fax number for the organization where this application or proceeding is assigned is (571) 273-8300.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see http://pair-direct.uspto.gov. Should you have questions on access to the Private PAIR system, please contact the Electronic Business Center (EBC) at the toll-free phone number 866-217-9197.

/Ruixiang Li/
Primary Examiner, Art Unit 1646
September 8, 2010